

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION DECLARATION BY THE INVENTOR	Docket Number (Optional) 97084-00026
---	---

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 6301967, granted October 16, 2001 and for which a reissue patent is sought on the invention entitled Method and Apparatus for AcousticDetection and Location of Defects in Structures or Ice on Structures

the specification of which

 is attached hereto. was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

 I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

 by reason of a defective specification or drawing. by reason of the patentee claiming more or less than he had the right to claim in the patent. by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening: In accordance with 37 C.F.R. 1.175, applicant specifies an error upon which this reissue application is based as follows. Original Claim 1 is believed to be rendered wholly or partly invalid by the inclusion of features directed to a device for detecting the presence and characteristics of a defect in a structure. Specifically, the inclusion of the phrase "a defect in or" in Claim 1 in every instance is believed to render such claim wholly or partly invalid.

This is a broadening reissue. See attached sheet for explanation as to the nature of the broadening.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

'Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) <b>97084-00026</b>	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.			
Note: To appoint a power of attorney, use form PTO/SB/81.			
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number: <input type="text"/> <b>OR</b> <input checked="" type="checkbox"/> Firm or Individual Name <b>Ralph W. Selitto, Jr.</b>			
Address	<b>McCarter &amp; English, LLP</b>		
Address	<b>Four Gateway Center, 100 Mulberry Street</b>		
City	Newark	State	NJ
Country	USA		
Telephone	973-848-5365	Fax	973-297-3763
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name) <b>Dimitri M. Donskoy</b>			
Inventor's signature	Date		
Residence <b>Hoboken, NJ</b>	Citizenship <b>USA</b>		
Mailing Address <b>619 Hudson Street, Hoboken, NJ 07030</b>			
Full name of second joint inventor (given name, family name) <b>Alexander M. Sutin</b>			
Inventor's signature	Date		
Residence <b>Hoboken, NJ</b>	Citizenship <b>Russia</b>		
Mailing Address <b>607 Hudson Street, #1, Hoboken, NJ 07030</b>			
Full name of third joint inventor (given name, family name)			
Inventor's signature	Date		
Residence	Citizenship		
Mailing Address			
<input type="checkbox"/> Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.			

Reissue Appln. No.: To be assigned.

U.S. Patent No.: 6,301,967

Issued: October 16, 2001

Inventor: Dimitri M. Donskoy, et al.

**ATTACHMENT SHEET TO REISSUE APPLICATION**  
**DECLARATION BY THE INVENTOR(S)**

The nature of the broadening reissue is described as follows. Claim 1 is believed to be broadened in that the “means for creating and delivering a low frequency signal” has been replaced by “first transmitter means for transmitting a low frequency signal”. Similarly in Claim 1, the “means for creating and delivering a high frequency probe signal” has been replaced by “second transmitter means for transmitting a high frequency probe signal.” Claim 2 is believed to be broadened in that reference to moving the low frequency signal relative to the “receiver means” has been deleted. Claim 3 is believed to be broadened by deleting the “receiving means” therefrom. Claim 4 is believed to be broadened in that reference to moving “a point of delivery” of the low frequency signal has been deleted.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (optional)
		97084-00026

I hereby declare that:

The residence, mailing address and citizenship of the inventors are stated below.

I am authorized to act on behalf of the following assignee: The Trustees of Stevens Institute of Technology  
and the title of my position with said assignee is: Director of Institute Technology Initiatives

The entire title to the patent identified below is vested in said assignee.

Inventor <u>Dimitri M. Donskoy</u>	Citizenship <u>USA</u>
Residence/Mailing Address <u>619 Hudson Street, Hoboken, NJ 07030</u>	
Inventor <u>Alexander M. Sutin</u>	Citizenship <u>Russia</u>
Residence/Mailing Address <u>607 Hudson Street, #1, Hoboken, NJ 07030</u>	

Additional Inventors are named on separately numbered sheets attached hereto.

Patent Number <u>6301967</u>	Date of Patent Issued <u>October 16, 2001</u>
---------------------------------	--

Title of Invention  
Method and Apparatus for Acoustic Detection & Location of Defects in Structures or Ice on Structures

I believe said inventor(s) to be the original and first inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled:

Method and Apparatus for Acoustic Detection and Location of Defects in Structures or Ice on Structures

the specification of which

is attached hereto.

was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_ / \_\_\_\_\_

and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

by reason of a defective specification or drawing.

by reason of the patentee claiming more or less than he had the right to claim in the patent.

by reason of other errors.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>	Docket Number (Optional) 97084-00026
--	---

At least one error upon which reissue is based is described as follows: In accordance with 37 C.F.R. 1.175, applicant specifies an error upon which this reissue application is based as follows. Original Claim 1 is believed to be rendered wholly or partly invalid by the inclusion of features directed to a device for detecting the presence and characteristics of a defect in a structure. Specifically, the inclusion of the phrase "a defect in or" in Claim 1 in every instance is believed to render such claim wholly or partly invalid.

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby appoint:

Practitioners at Customer Number:

OR

Practitioner(s) named below:

Name	Registration Number
Ralph W. Selitto, Jr.; Joseph Agostino;	26996; 51191;
William Smith; John K. Kim;	46459; 37002;
Sanjiv M. Chokshi; Paul F. Swift; and	44080; 34938; and
Allen N. Friedman	25973

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Correspondence Address: Direct all communications about the application to:

Customer Number:

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Ralph W. Selitto, Jr.			
Address	McCarter & English, LLP			
Address	Four Gateway Center, 100 Mulberry Street			
City	Newark	State	NJ	Zip
Country	07102			
Telephone	973-848-5365	Fax	973-297-3763	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of person signing (given name, family name)  
Dr. Frank Fernandez

Signature	Date
-----------	------

Address of Assignee  
Castle Point on Hudson, Hoboken, NJ 07030

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional)  97084-00026
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s)  The Trustees of the Stevens Institute of Technology		
Patent Number  6301967	Date Patent Issued  October 16, 2001	
Title of Invention  Method and Apparatus for Acoustic Detection and Location of Defects in Structures or Ice on Structures		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p>		
One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".		
The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.		
The assignee(s) owning an undivided interest in said original patent is/are <u>The Trustees of the Stevens</u> and the assignee(s) consents to the accompanying application for reissue. <u>Institute of Technology</u>		
Name of assignee/inventor (if not assigned)  The Trustees of the Stevens Institute of Technology		
Signature	Date	
Typed or printed name and title of person signing for assignee (if assigned)  Dr. Frank Fernandez, Director of Institute Technology Initiatives		

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: The Trustees of the Stevens Institute of TechnologyApplication No./Patent No.: 6301967 Filed/Issue Date: October 16, 2001Entitled: Method and Apparatus for Acoustic Detection and Location of Defects in Structures or Ice on StructuresThe Trustees of the Stevens (Name of Assignee), an institute of higher learning (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)  
Institute of Technology

states that it is:

1.  the assignee of the entire right, title, and interest; or2.  an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 9928, Frame 0618, or for which a copy thereof is attached.**OR**B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Dr. Frank Fernandez

Typed or printed name

---

Telephone number

---

Signature

---

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*